

What is claimed is:

1. A press-in apparatus for a Z profile sheet pile, comprising a press-in section for grasping a Z profile sheet pile having clutches at both ends to press in,

wherein the press-in section presses two Z profile sheet piles in at a time in a state where the two Z profile sheet piles are joined each other at clutches thereof.

2. The press-in apparatus for a Z profile sheet pile as claimed in claim 1, wherein the press-in section comprises a grasping mechanism for grasping the two profile sheet piles individually to press in.

3. The press-in apparatus for a Z profile sheet pile as claimed in claim 2, wherein the grasping mechanism grasps each end portion of the two Z profile sheet piles which is opposite side of the clutches at which the two Z profile sheet piles are joined each other, individually.

4. The press-in apparatus for a Z profile sheet pile as claimed in any one of claims 1-3 further comprising a plurality of clamp parts for

supporting the press-in section and clamping Z profile sheet piles which were pressed in by the press-in section to receive a reaction force when grasping a new Z profile sheet pile by the press-in section to press in,

wherein the plurality of clamp parts clamp each joint part of the clutches of the Z profile sheet piles which are joined each other.

5. A press-in method for pressing a Z profile sheet pile in, comprising the step of:
pressing the two Z profile sheet piles in at a time in a state where the two Z profile sheet piles are joined each other at the clutches thereof by using the press-in apparatus for a Z profile sheet pile as claimed in any one of claims 1-3.

6. A press-in method for pressing a Z profile sheet pile in, comprising the step of:
pressing the two Z profile sheet piles in at a time in a state where the two Z profile sheet piles are joined each other at the clutches thereof by using the press-in apparatus for a Z profile sheet pile as claimed in claim 4.

7. The press-in method for pressing a Z profile sheet pile in, as claimed in claim 5, wherein when pressing the two Z profile sheet piles in at a time, the two Z profile sheet piles are pressed in alternately one by one through a plurality of steps in a state of maintaining the two Z profile sheet piles to be joined each other at the clutches thereof.

8. The press-in method for pressing a Z profile sheet pile in, as claimed in claim 6, wherein when pressing the two Z profile sheet piles in at a time, the two Z profile sheet piles are pressed in alternately one by one through a plurality of steps in a state of maintaining the two Z profile sheet piles to be joined each other at the clutches thereof.